

FIG. 1

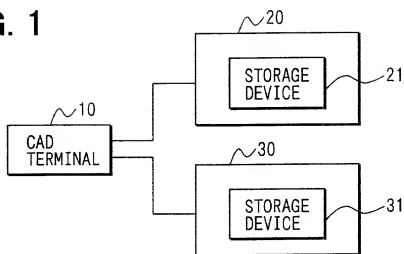


FIG. 2

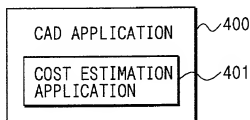


FIG. 3

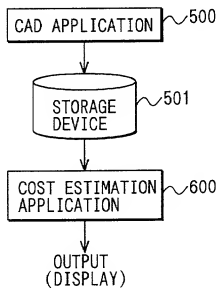


FIG. 4

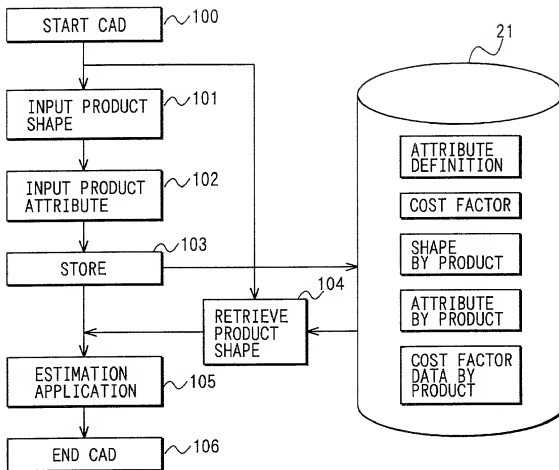


FIG. 5

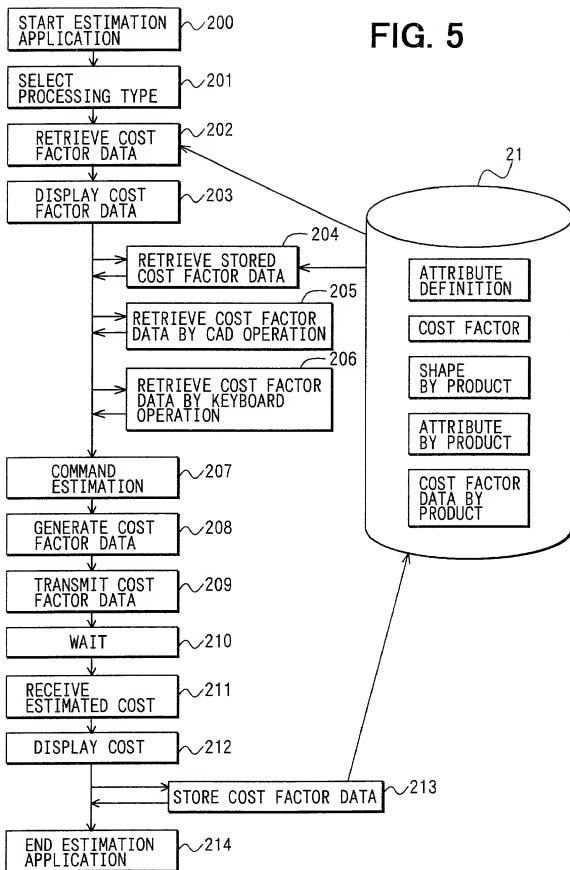


FIG. 6

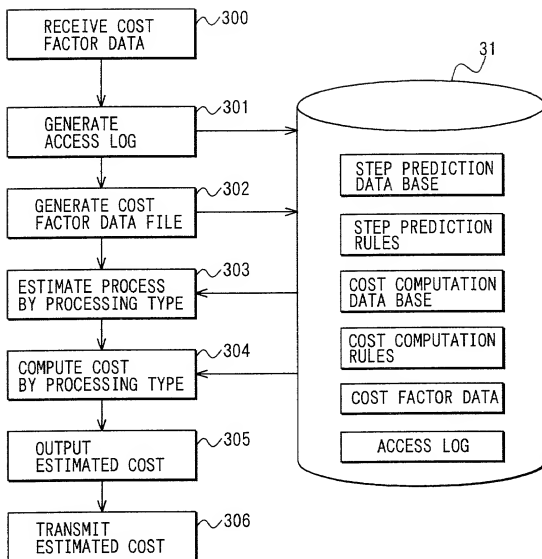


FIG. 7

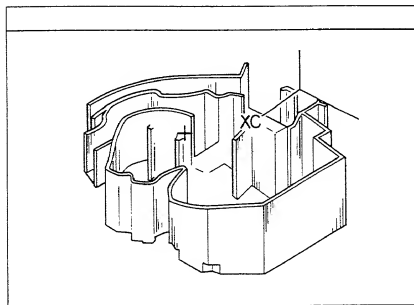


FIG. 8

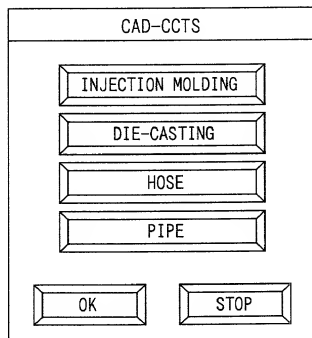


FIG. 9

CAD-CCTD INJECTION MOLDING									
FILE		PRODUCT NO. 123456-7890		NAME CASING		PRODUC-TION 2000		UNITS/MON	
MATERIAL ABS N-1		NOTE		SPECIFIC WEIGHT 1.06		g/cm <sup>3</sup>		FILLER	
PRICE 400.00		\$/kg		LOST PRICE 0.00		\$/kg			
NET WEIGHT 200.0		g		INCREASE 1.05					
PRODUCT SIZE									
MEASURE Y : X : Z		[RE-MEASURE]		MATERIAL		THERMOPLASTIC		THERMOSETTING	
LENGTH 200.0		mm		NET AREA 300.0		cm <sup>2</sup>		GATE	
WIDTH 150.0		mm		NET VOLUME 900.0		cm <sup>3</sup>		TUNNEL	
HEIGHT 30.0		mm		AVERAGE VOLUME 900.0		cm <sup>3</sup>		DIRECT	
THICKNESS MEASURE		AUTO (2×VOLUME/SURFACE)		[RE-MEASURE]		RUNNER		COLD	
THICKNESS 1.5		mm		COEFFICIENT 1.4		REF		HOT	
<input type="checkbox"/> UNDERCUT <input checked="" type="checkbox"/> ANNEALING <input type="checkbox"/> INSERT		<input type="checkbox"/> SET SLIDE <input checked="" type="checkbox"/> SET ANNEALING <input type="checkbox"/> SET INSERT		<input checked="" type="checkbox"/> GATE CUTTING <input checked="" type="checkbox"/> FINISHING AFTER GATE CUTTING <input type="checkbox"/> MOTOR DRIVE FOR SCREW		DIAMETER 0.0 mm STOP ESTIMATE			

FIG. 10

STORED DATA RETRIEVAL	
FILE	
1234567890*	
1234567890 X X X X COMMENT	1085621 1999.11.29
1234567890 X X X X COMMENT	1085621 1999.10.15
1234567890 X X X X COMMENT	1085621 1999.10.01
1234567890 X X X X COMMENT	1085621 1999.09.15

FIG. 11

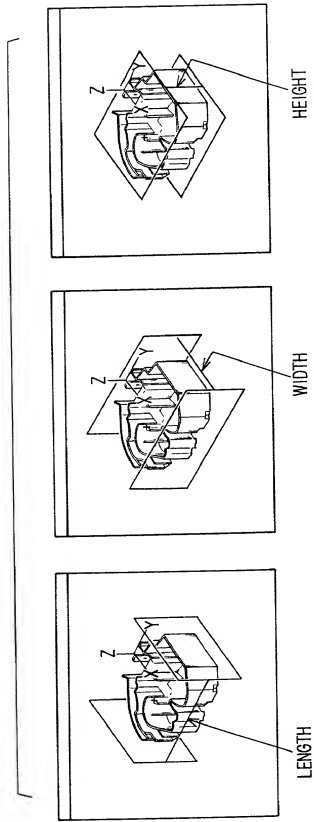




FIG. 12

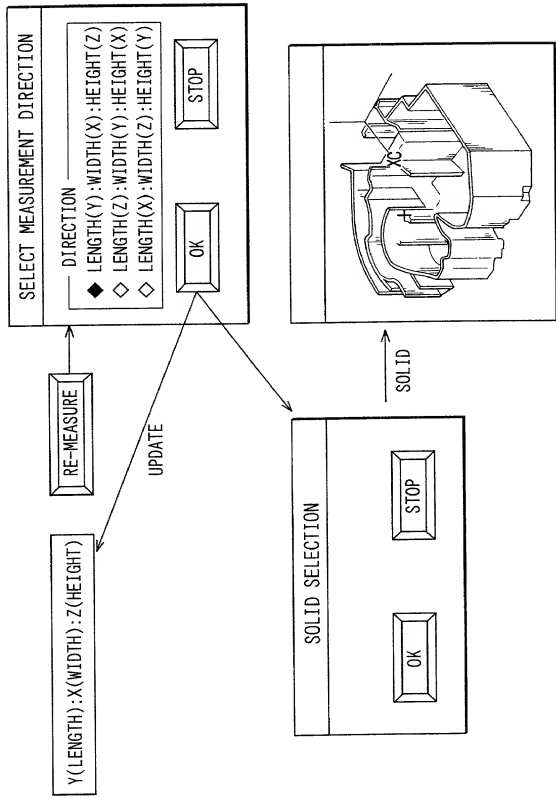


FIG. 13

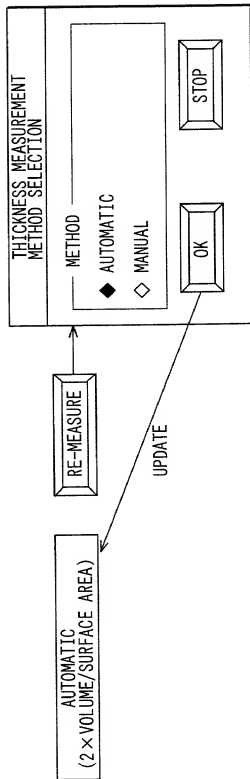


FIG. 14

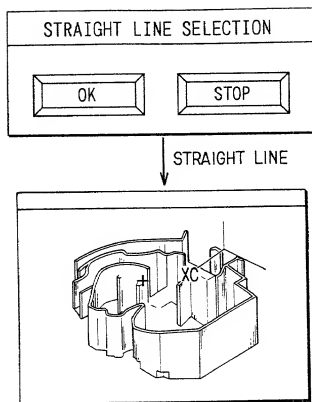
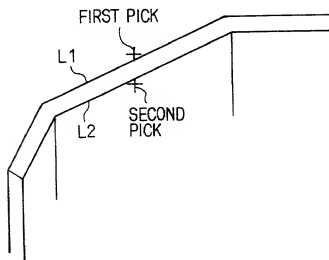


FIG. 15



# FIG. 16

ESTIMATION RESULT	
INJECTION MOLDING ESTIMATION	99/12/07 9:14:42 OPERATOR : MR.SUZUKI
NO. : 1234567890 NAME : CASING VOLUME : 2000 UNITS/MON. MOLDING : 150ton	
ESTIMATED COST	
MATERIAL	¥84.00
PROCESSING	¥50.50
DIE	¥62.50
UNIT	¥197.00
MATERIAL) $84.00 = ¥200.0g \times 1.05 \times 400.0/kg$	
PROCESSING)	MOLDING 43.50 CUTTING 2.00 FINISHING 4.00 ANNEALING 1.00
DIE)	DIE UNIT ¥3,000,000 $62.50 = 3000000 \times 1 / (24 \times 2000)$

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